

SORM, J., inz.; MARSALEK, P., inz.

Measuring the yield point  $\sigma'_{0,2}$  of austenitic steel. Syrojirensivi  
12 no.4:312-313 Ap '62.

1. Vyzkumny ustav hutnictvi zeleza, Praha (for Sorm). 2. Spojene  
ocelarny, narodni podnik, Kladno (for Marsalek).

7.18A00-66 EXP(w)/T/EXP(t) JD  
ACC-NR: AP6010908

SOURCE CODE: CZ/0032/65/015/010/0769/0772

AUTHOR: Marsalek, P. (Engineer); Valenta, J. (Engineer)

19

B

ORG: Joint Steel Works, Kladno (Spojene ocelarny, n.p.)

TITLE: Short-time fatigue test according to E.M. Prot

SOURCE: Strojirenstvi v. 15, no. 10, 1965, 769-772

TOPIC TAGS: fatigue test, statistic analysis

ABSTRACT:

Instructions are given on how to adjust the Schenck Simplex testing machine for short-time fatigue tests according to E.M. Prot. The results of such tests are compared with the Wohler curves. It is concluded that the Prot method can be used successfully for routine tests, although the results are not very accurate. For accurate information a large series of tests would be needed, with subsequent statistical analyses of the results. This paper was presented by Engineer V. Linhart, Candidate of Sciences. Orig. art. has: 8 figures, 3 formulas, and 2 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 006

Card 1/1 MAFS

UDC: 539.43: 620.178.3

MARSALEK, Z.

Notes on planned maintenance with regard to the establishment of central stocks of spare parts. p.22

PRUVYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu) Praha

Vol. 6, no. 1, 1955

East European Accessions List

Vol. 5 No. 1

Jan. 1956

MARSALEK, ZDENKO.

Strojni vybaveni vyrabni linky cigaret. (Vyd. 1.)

Praha, Czechoslovakia, Statni nakl. technicke literatury, 1957. 86 p. 35 p.  
of illus.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 10, Oct. 1959  
Uncl.

MARSANOVA, G.A. [translator]

List of documents of the International Welding Institute received  
by the National Committee of the U.S.S.R. on welding from August  
to December, 1964. Svar. proizv. no.4:40-41 Ap '65.

(MIRA 18:6)

MARSANOVA, G.A.

Annual report of Commission 10 on "Residual stresses and  
their relieving" at the Congress in Helsinki (Finland) in  
July of 1963. Svar. proizv. no.1:42-43 Ja '64.

Materials of the International Institute of Welding  
received by the National Committee of the U.S.S.R. on  
welding from January to October 1963. Ibid.:43  
(MIRA 17:1)

MARSANOVA, G.A.

Annual report of Commission II, "Arc welding" at the XVI Congress  
of the International Welding Institute in Helsinki, Finland, in  
July of 1963. Svar. proizv. no.7:38-40 Jl '64.

Annual report of Commission XI, "Pressure vessels, boilers, and  
pipelines" at the XVI Congress in Helsinki, Finland, in July of  
1963. Ibid.:40-41

(MIRA 18:1)

MARSANOVA, G.A. [translator]

List of international welding Institut documents received by the  
U.S.S.R. National Committee on welding from Germany in July of  
1964; continuation Sveto-pribav. no. 2. 38-39 D 1964.

CIA-RDP86-00513R001032530004-3"

MARSHALKO, G.

1PM

*15*  
Rheological properties of aqueous bentonite dispersions. J. Baria  
and B. Marschalko (*Acta tech. hung.*, 1956, **15**, 77-87). A graph  
of the shear speed-turning moment is made which shows that the  
flow of the dispersion occurs in three separate and distinct phases:  
(a) with shear speeds of ~0.0001-0.1 r.p.m., in which the dis-  
persion acts as a solid structure (flow being confined to the area  
adjacent to the driven cylinder of the viscosimeter); (b) with shear  
speeds of ~0.1-50 r.p.m. in which shearing stress operates more and  
more across the whole diameter; and (c) with higher shear speeds  
where the dispersion acts as a true liquid. The conditions of stages (a)  
and (b) are shown photographically. A new equation is derived  
the computed viscosities agree for practical purposes with those  
obtained experimentally. (34 references.) J. L. WHITEHEAD.

*m*

MARSCHALKO, B.; BARNA, J.

Characterization of rheologic relations of wet bentonite  
dispersions; an abstract from a study. p. 297 KOZLEMENYKI  
Budapest, Vol. 18, No. 1/4, 1956.

SOURCE: East European Accessions List, (EEAL) Library  
of Congress, Vol. 5, No. 8, August, 1956.

~~B.~~ Marschak, B.

Theory and practical applications of the relations between the viscosity and temperature of liquids." Bela Marschak and János Barna. Budapesti Kutatási Intézet Kiadásnyelv 2, 87-90 (1957). — See C.A. 52, 15994f.

O. J. Erway

3

99

Chemical Technology

GDR / Chemical Technology. Chemical Products and  
Their Application. Processing of Natural Gases  
and Petroleum. Motor and Rocket Fuels. Lubri-  
cants.

H

Abs Jour: Ref Zhur-Khimia, No 9, 1959, 32846.

Author : Marschalko, B., Barna, J.

Inst : Academy of Sciences of Hungary.

Title : Concerning the Viscosity-Temperature Correlations  
in Liquids.

Orig Pub: Acta techn. Acad. sci. hung., 1957, 19, No 1-2,  
85-104.

Abstract: A detailed experimental examination is presented  
of the Foegel, Loderer and Waterman formulae of  
the temperature dependence on viscosity and the  
formulae proposed by one of the authors:

Card 1/2

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Card 2/2

MARSCHALKO, Bela, chem.engineer; BARNA, Janos, dr.,chem. engineer

Viscosity-temperature relationship of liquids and problems  
relating to its practical application. Izvestiia Bany KI  
no.3/4:119-130 '59/60.

MARSCHALKO, Robert

Stratigraphic examination of Flysch north from Cierna Hora  
Mountain. Geol prace 63:15-22 '62.

1. Geologicky ustav D.Stura, Bratislava.

BARNA, J.; MARSCHALKO, B.

Rheological behavior of aqueous bentonite dispersions. Pt. 2.  
Acta techn Hung 46 no. 3/4:391-416 '64.

1. Forschungsinstitut fur Bergbau, Budapest.

KORAB, T.

CZECHOSLOVAKIA

Prom. Geol.

Geological Institute J. Stur (Geologiczny ustanow S. Stura),  
Mlynska dolina 1, Bratislava

Bratislava, Geologiczny Sbornik, No 2, 1962, pp 157-174

"Survey Study of Oriented Sedimentary Structures of  
East-Slovakian Flysch"

Co-authors:

HEHOCK, J., prom. geol., Geological Institute J. ...  
DUFKOVIC, T., prom. geol., " "  
MARSCHAJKO, R., eng., "

L 29468-66

ACC NR: AP6019982

SOURCE CODE: CZ/0079/65/007/003/0267/0267

AUTHOR: Cernacek, J.; Belica, E.; Jagr, M.; Marschalkova, L.

ORG: Neurological Clinic, Comenius University, Bratislava

TITLE: Clinical and electromyographical assessment of Mydocalm. This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 267

TOPIC TAGS: myology, pharmacology, human ailment, drug treatment

ABSTRACT: Muscle relaxant effect of Mydocalm (1-piperidine-2-methyl-3, 4'-tolyl-propanon-3-hydrochloride) was tested on patients suffering from multiple sclerosis and in states following acute cerebrovascular accidents. Longlasting medication improved the spasticity. The myorelaxant effect is noticed only after large doses. A single administration showed a correlation between the EMG and clinical findings. No symptoms of intolerance, with one exception, were found. No signs of overdosage were observed. [Orig. art. in Eng] [JPRS]

SUB CODE: 06/ SUB DATE: none/

Card 1/1 ✓

BARTKO, D.; MARSCHALKOVA, L.; WAGNEROVA, M.

Investigation of serum protein fractions in sudden cerebrovascular accidents. Bratisl. lek. listy 45 no.6:349-357 31 Mr '65.

1. Neurologicka klinika Lekarske fakulty Univerzity Komenskeho  
v Bratislave (veduci akademik Slovenskej akademie vied  
J. Cernacek, DrSc.).

CZECHOSLOVAKIA

BARTKO, D.; MARSCHALKOVA, I.; Neurological Clinic, Medical Faculty, Comenius University (Neurologicka Klinika Lek. Fak. UK), Bratislava.

"The Importance of Correct Evaluation of Some of the Factors in the Diagnosis of Sudden Brain Lesions."

Prague, Ceskoslovenska Neurologie, Vol 30, No 1, Jan 67, p 72

Abstract: The most frequent cause of brain lesions which occur suddenly is damage to the veins. A high percentage of such cases is not diagnosed correctly. Details of the diagnosis of a disease made on 6 patients are described, and reasons why incorrect diagnosis was made are evaluated. Correct methods for the diagnoses of hemorrhages are described. No references. Submitted at the Meeting of the Neurological Section, Slovak Branch, at Kosice 16 - 18 Jun 66.

1/1

L 24518-66	EWT(m)/EWP(t)/EWP(k)	IJP(c)	JD/RW
ACC NR: AP6009514	SOURCE CODE: UR/0413/66/000/005/0031/0031		
AUTHOR: <u>Kidin, I. N.</u> ; <u>Shirbanyan, A. S.</u> ; <u>Gokhberg, Ya. A.</u> <u>Marshalkin, A. N.</u> ; <u>Burkhanov, S. F.</u> ; <u>Marschenko, V. Z.</u> ; <u>Mizonov, Yu.M.</u>			
ORG: none			
TITLE: <u>Fabrication of steel wire. Class 18, No. 179348</u>			
SOURCE: <u>Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki,</u> no. 5, 1966, 31			
TOPIC TAGS: steel wire, wire production, austenitizing, deformation, patenting, cold drawing			
ABSTRACT: An Author Certificate has been issued describing a method for producing steel wire, including electro-contact heating to austenitizing temperature, reduction, patenting, and cold drawing. In order to improve the mechanical properties of the wire and reduce the heat treating cycle, the wire deformation is carried out simul- taneously with cooling down to 400-450C followed by patenting in air. [LD]			
SUB CODE: 13/	SUBM DATE: 14Dec64/		
Code 1/1 B1Q	UDC: 621.785.79:621.785.47:621.778.1		

C.A.  
MARSCHIK, J.

**Boric acid and borax** Janos Frigyes Marschik, Hung  
138,993, Nov. 15, 1948. The raw material or wastes are  
mixed up with salts of alkali metals or of alk. earth metals,  
as Na<sub>2</sub>SO<sub>4</sub> or CaCl<sub>2</sub>, and are electrolyzed; the boric acid  
or borax formed in the anodic portion is wpd. Borocalcite  
30 g. is electrolyzed in a beaker equipped with a diaphragm  
at a potential of 3.5 v., for 8 hrs., until the total current con-  
sumption reaches 12 amp. An iron plate serves as the  
cathode and a C plate as the anode with 10% CaCl<sub>2</sub> as  
the electrolyte. Then the liquid of the anodic area is heated  
to 95°, filtered, and cooled. The yield is 12 g. pure boric  
acid. Borocalcite 30 g. is worked up as above with the dif-  
ference that 10% Na<sub>2</sub>SO<sub>4</sub> is used as the electrolyte at 3.2 v.  
until 11 amp. current is used. The yield is 10.5 g. boric  
acid. Borocalcite 30 g. is electrolyzed in an iron container,  
which serves as the cathode, without a diaphragm and with  
a rotating graphite anode in an electrolyte of concd. Na<sub>2</sub>SO<sub>4</sub>  
at 2.0 v., until 14.8 amp. current is used. Istvan Finlay

YUGOSLAVIA/Nuclear Physics - Installations and Instruments.  
Methods of Measurement and Research.

C-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 51<sup>43</sup>  
Author : Debenec L., Kramer, V., Marsel, J., Vrseaj, V.  
Inst : -  
Title : Mass Spectrometric Measurements of UF<sub>6</sub>  
Orig Pub : Repts. LL J. Stefan 77 Inst., 1958, 5, 33-39

Abstract : A Nier-type 60° mass spectrometer with a resolution of 350 was used to measure the isotopic ratio U<sub>238</sub>/U<sub>235</sub> when UF<sub>6</sub> is introduced into the instrument. The UF<sub>6</sub> can be introduced in a viscous stream through two capillaries, from vessels located in a thermostatic bath. One vessel contains UF<sub>6</sub> with natural contents of isotopes. The measurement of the isotopic ratio was carried out by comparing the intensity of the mass lines 330 and 383 in multiple magnetic or electric scanning. For exact measurements of small differences in the isotopic ratios of two specimens,

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YUGOSLAVIA/Nuclear Physics - Installations and Instruments.  
Methods of Measurement and Research.

C-

Ats Jour : Ref Zbir Fizika, No 3, 1960, 5143

use was made of the method of successive inlet of the samples. The "memory" effect of the instrument to old, previously admitted samples, was investigated. It is shown that in the case of a small difference in the isotopic ratios of the specimen, it is enough to stop the apparatus for two minutes for evacuation between measurements. It is established that the isotopic ratio U<sup>238</sup>/U<sup>235</sup> in natural uranium is  $138.2 \pm 0.4$ . Ye.L. Frankevich

Card 2/2

- 14 -

MARSEL, J.; VRSCAJ, V.

Mass spectrometric measurements of xenon fluorides. Croat chem acta 34 no.3:191-193 '62.

l. "Jozef Stefan" Institute for Nuclear Research, Ljubljana, Slovenia, Yugoslavia.

SLIVNIK, J.; VOLAVSEK, B.; MARSEL, J.; VRSCAJ, V.; SMALC, A.; FRLEC, B.;  
ZEMLJIC, Z.

Synthesis of XeF8. Croat chem acta 35 no.1:81-82 '63.

1. Institut "Jozef Stefan", Ljubljana, Slovenia, Yugoslavia.

MARSEL', N.N.; ZVERKOVA, M.K.

Staple rayon fiber dyeing with vat dyes in centrifugal apparatus.  
Tekst.prom. 22 no.2:53-54 F '62. (MIRA 15:3)

1. Zaveduyushchiy khimicheskoy laboratoriyy krasil'no-otdelochnoy fabbriki Upravleniya tekstil'noy promyshlennosti Mosgorispolkoma (for Marsel'). Nachal'nik krasil'nogo otdela krasil'no-otdelochnoy fabbriki Upravleniya tekstil'noy promyshlennosti Mosgorispolkoma (for Zverkova).

(Dyes and dyeing—Rayon)

MARSEL', N.N.; ZVERKOVA, M.K.

Wool dyeing under temperatures ranging from 80°C to 90°C. Tekst.prom  
22 no.4:65 Ap '62 (MIRA 15:6)

1. Zaveduyushchiy khimicheskoy laboratoriyyey krasil'no-otdelochnoy  
fabriki Upravleniya tekstil'noy promyshlennosti Moskovskogo  
gorodskogo ispolnitel'nogo komitete (for Marsel'). 2. Nachal'nik  
krasil'noy otdela Krasil'no-otdelochnoy fabriki Upravleniya tekstil'-  
noy promyshlennosti Moskovskogo gorodskogo ispolnitel'nogo komiteta  
(for Zverkova).  
(Dyes and dyeing--Wool)

MARSENIC, Branko

Pulmonarycysts treated as pulmonary tuberculosis. Tuberkuloza no.1:  
59-65 '62.

1. Grudno odeljenje Opste bolnice, Nis (šef: prim. dr Marsenic).  
(TUBERCULOSIS PULMONARY) (CYSTS) (LUNG NEOPLASMS)

MARSENIC, Branko

Pulmonary syphilis. Tuberkuloza no.1:66-71 '62.

1. Opsta bolnica Nis, Grudno odeljenje (šef: dr B. Marsenic).  
(LJUNG DISEASES) (SYPHILIS)

MARSENIC, Branko

A simultaneous outbreak of chickenpox, bronchopneumonia and hepatitis. Srpski arh. celok. lek. 90 no.5:543-545 My '62.

1. Grudno odeljenje Opste bolnice u Nisu Sef: prim. dr. Branko  
Maršenac.

(CHICKENPOX) (BRONCHOPNEUMONIA)  
(HEPATITIS, INFECTIOUS)

MARSENIC, B. KRSTIC, Lj. STANOJEVIC, M.

Clinical and electrocardiographic cardiac changes in pulmonary tuberculosis. *Tuberkuloza* 15 no.3:366-369 Jl-D'63.

1. Opsta bolnica, Nis; Grudno od. (sef: prim.dr.B.Marsenic)  
i Interno od.(sef: prim.dr.M.Petkovic.).

S

MARSENIC, B., PETKOVIC,M., KOCIC,D., VELOJIC, .D.

Pulmonary tuberculosis and peptic ulcer of the stomach and duodenum. Tuberkuloza 15 no.3:370-375 Jl-D'63

1. Opsta bolnica,Nis; Grudno od. (sef: prim.dr.B.Marsenic) i Interno od. (sef: prim. dr. M.Petkovic).

S

MARSENIC, Branko, dr.; POPOVIC, Dragan, dr.

Besnier-Boeck-Schaumann disease — (pulmonary sarcoidosis).  
Med. glas. 17 no.8:326-334 Ag-S'63

1. Grudno odeljenje Opste bolnice u Nisu; nacelnik: prim.  
dr. B.Marcenic.

S

MARSENKO, V. A.

Several questions of the theory of a differential-operator of the second order, by V. A. MARSENKO. Doklady Akad. Nauk SSSR, n. Ser. 72, 457-460 (1950).

MARSENKO, V. A.

Transformation-operators, by V. A. MARSENKO. Doklady Akad. Nauk SSSR, n. Ser. 74, 185-188 (1950).

MARSENKO, V. A.

About the inversion formulae produced by a linear differential operator of second order,  
by V. A. MARSENKO. Doklady Akad. Nauk SSSR, n. Ser. 74, 657-660 (1950).

MARSEPURO, M.

470 MARSEPURO, M. i ZHILIN, A. kompleksnaya mekhanizatsiya zagorouki torfa na udobreniye. M., Goskul'tpzsrsvetizdat, 1954 16s 22sm.  
(Vsesoyuz. s. -s. Vystavka). 12.000 eкz. 15k. - Na obl. avt. ne ukazany. - (54-54982) p 631.87: 631.3 + 622.331. 0025

SO: Knizhnaya Letopis, Vol 1, 1955

MARSHAK, A.L., kandidat tekhnicheskikh nauk.

Surface form of pneumatic tires while in contact with soil.  
Sel'khozmashina no.3:22-24 Mr '56. (MIRA 9:7)  
(Tires, Rubber)

VINOGRADOVA, T.A., otv. red.; ROZOV, N.N., red.; MARSHAK, A.L.,  
red.

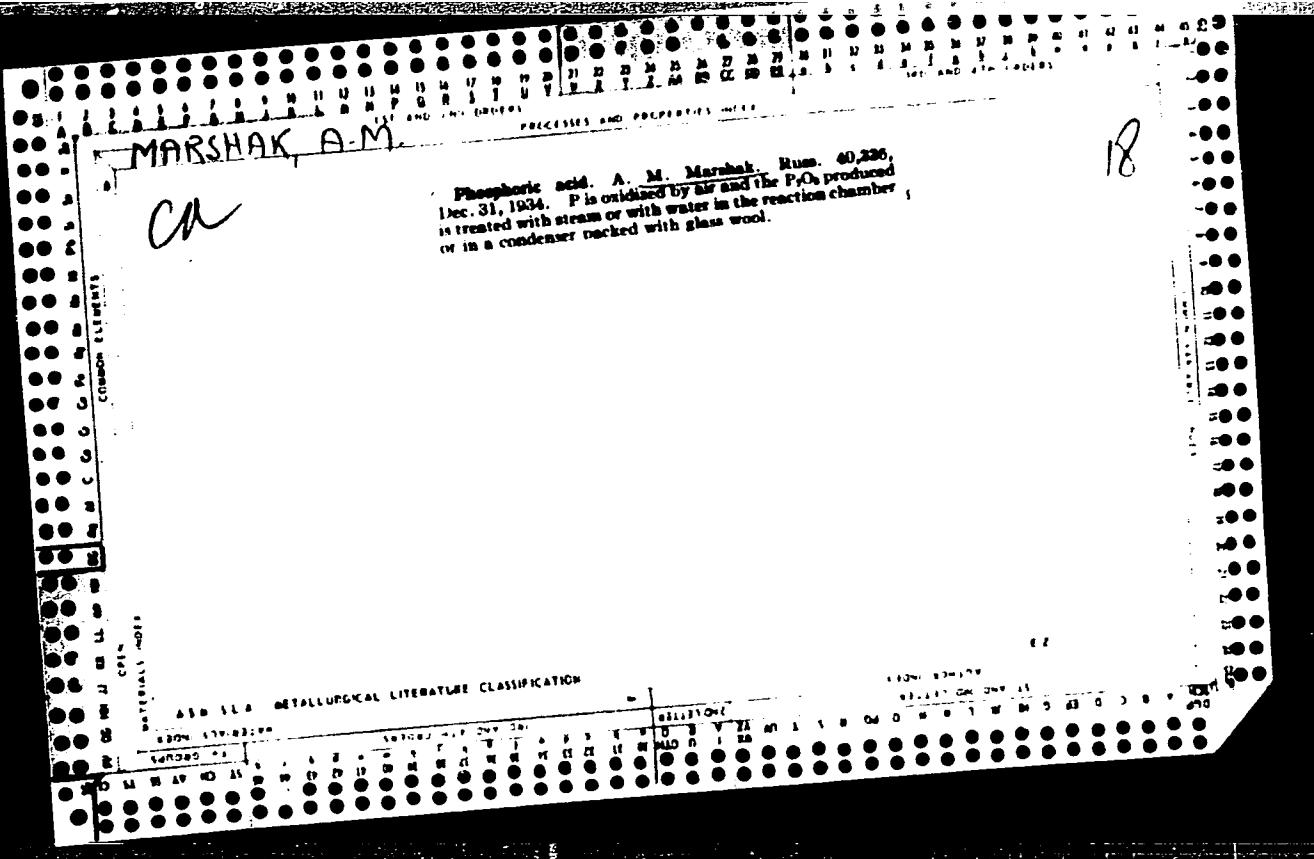
[Reports at a scientific conference on the problems of  
microbiology] Doklady nauchnoi konferentsii po voprosam  
mikrobiologii. Vologda, 1964. 59 p. (MIR 17:12)

1. Molochnoye (Vologodskaya oblast'). Vologodskiy molochnyy  
institut.

SLIVKO, V.V., otv. red.; VINOGRADOVA. T.A., red.; MARSHAK, A.L.,  
red.; PUCHKOV, P.I., red.

[Reports of a scientific conference on the technology and  
microbiology of milk and milk products] Doklady nauchnoi  
konferentsii po voprosam tekhnologii i mikrobiologii mo-  
loka i molochnykh produktov. Vologda. Vologodskoe knizh-  
noe izd-vo, 1964. 91 p. (MIRA 17:12)

1. Molochnoye (Vologodskaya oblast'). Vologodskiy molochn-  
yy institut.



RUFANOV, I.G.; GOVOROVICH, Ye.A.; MARSHAK, A.M.; GALANOVA, N.V.

Treatment of surgical patients with the new antibiotic monomycin.  
Antibiotiki 5 no.4:33-37 Jl-Ag '60. (MIRA 13:9)

1. Laboratoriya po klinicheskoy aprobatsii novykh antibiotikov  
AMN SSSR (zav.-deystvitel'nyy chlen AMN SSSR prof. I.G. Rufanov).  
(ANTIBIOTICS) (SUPPURATION)

MARSHAK, AM.

22081 Marshak, A.M. Iecheniye Ranevykh Sledozhnyiy Sovetskikh Genitallinov V st:  
Genitallinotera niya N., 1946, s. 140-50

SC: Ietopis' Zhurnal'nykh Statey, No. 19, Moscow, 1946.

MARKS HAWK, A.M.

STRUCHKOV, V.I.; MARSHAK, A.M.

Causes of fatal outcome in acute appendicitis and methods of prevention. Sovet. med. 16 no. 6:17-19 June 1952. (CLML 22:4)

1. Professor for Struchkov, Candidate Medical Sciences. 2. Of the Department of General Surgery (Head -- Prof. I. G. Bufanov, Active Member of the Academy of Medical Sciences USSR), First Moscow Order of Lenin Medical Institute located at Hospital imeni Medsantrud.

STRUCHKOV, B.I.,; MARSHAK, A.M.

Experimentation with clinical use of terracycin, biomycin  
and ekmolin. Antibiotiki, Moskva 9 no.2:22-29 Mar-Apr 56(MLRA 9:3)

1. Klinika obshchey khirurgii I Moskovskogo ordena Lenina  
meditsinskogo instituta imeni I.M. Sechenova i Bol'nitsa no.23  
imeni Medsantrud.

(ABSCESS, ther.  
oxytetracycline)

(OXYTETRACYCLINE, ther. use  
abscess)

STRUCHKOV, V.I.; MARSHAK, A.M.; SOBOLEV, V.B.

Distribution of tetracycline in lung tissue. Antibiotiki 2 no.1:  
47-48 Ja-F '57. (MIRA 12:11)

1. Kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR prof.  
Z.V. Yermol'yev) TSentral'nogo instituta usovershenstvovaniya vrachey,  
Klinika obshchey khirurgii I Moskovskogo ordena Lenina meditsinskogo  
instituta, Bol'niitsa No.23 imeni "Medsantrud."

(TETRACYCLINE, metab.

distribution in lung tissue in high concentration  
in lung tissue after intramusc. admin.)  
(LUNGS, metab.

distribution of tetracycline in lung tissue after  
intramusc. admin.

Struchkov, V.I.

STRUCHKOV, V.I., prof.; MARSHAK, A.M., kand.med.neuk

Combined use of antibiotics in the surgical treatment of suppurations  
of the lungs. Sov.med. 21 no.9:31-35 5 '57. (MIRA 11:1)

1. Iz kliniki obshchey khirurgii (dir. - prof. V.I.Struchkov) lecheb-  
nogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta  
imeni I.M.Sechenova i bol'nitsy No.23 imeni Medsantrud (glavnnyy vrach  
A.P.Timofeyeva)

(LUNG DISEASES, ther.  
suppurative dis.)

STRUCHKOV, V.I.; MARSHAK, A.M.

Effective use of new antibiotics in surgery. *Khirurgia* 36 no.6:  
28-33 Je '60. (MIRA 13:12)  
(ANTIBIOTICS) (SURGERY)

RUFANOV, I.G., prof.; GOVOROVICH, Ye.A.; MARSHAK, A.M.; GALANOVA, N.V.  
(Moskva)

Dihydrostreptomycin paraaminosalicylate in surgical practice.  
Klin.med. 38 no.11:67-72 N '60. (MIRA 13:12)

1. Iz laboratorii po klinicheskoy aprobatsii novykh antibiotikov  
AMN SSSR (zav. - deystvitel'nyy chlen AMN SSSR prof. I.G.  
Rufanov).

(STREPTOMYCIN) (SALICYLIC ACID)

GUDYNSKIY, Ya. V., kand. med. nauk; MARSHAK, A. M., kand. med. nauk

Use of antibacterial preparations in urology. Urologiia no.3:65-70  
'61. (MIRA 14:12)

1. Iz urologicheskoy kliniki (zav. - zasluzhennyy deyatel' nauki prof. A. P. Frumkin) Tsentral'nogo instituta usovershenstvovaniya vrachey i iz Laboratorii po klinicheskoy aprobatsii novykh antibiotikov (zav. - deystvitel'nyy chlen AMN SSSR prof. I. G. Rufanov) Akademii meditsinskiy nauk SSSR.

(UROLOGY) (ANTIBIOTICS)

KUFANOV, I.G., prof.; MARSHAK, A.M., kand.med.nauk (Moskva)

Some problems connected with the use of antibiotics. Klin.med.  
no.10:87-97 '61. (MIRA 14:10)  
(ANTIBIOTICS)

RUFANOV, I. G., prof.; MARSHAK, A. M., kand. med. nauk (Moskva)

Use of antibiotics in surgical interventions in the biliary tract.  
Klin. med. no.11:104-111 '61. (MIRA 14:12)

1. Iz laboratorii po klinicheskoy aprobatsii novykh antibiotikov  
(zav. - deystvitel'nyy chlen AMN SSSR prof. I. G. Rufanov) AMN SSSR.

(ANTIBIOTICS) (BILIARY TRACT—SURGERY)

RUFANOV, I.G.; GOVOROVICH, Ye.A.; MARSHAK, A.M.; GALANOVA, N.V.

Use of colimycin, mycerin and monomycin for treatment of surgical diseases. Vest. AMN SSSR 16 no.7:56-63 '61. (MIRA 14:7)

1. Laboratoriya po klinicheskoy aprobatsii novykh antibiotikov.  
(ANTIBIOTICS)

STRUCHKOV, Viktor Ivanovich, prof.; BAZHENOVA, A.P., doktor med. nauk; TUMANSKIY, V.K., doktor med. nauk; GRIGORYAN, A.V., kand.med. nauk; KACHKOV, A.P., kand.med.nauk; MARSHAK, A.M., kand.med.nauk; MURAV'YEV, M.V., kand.med.nauk; SIDORINA, F.I., kand.med.nauk; FEDOROV, B.P., kand.med.nauk; VINOGRADOV, V.V., red.; PETROVA, tekhn. red.

[Surgery for suppuration] Gnoinaia khirurgiia; rukovodstvo dlia vrachei. Moskva, Medgiz, 1962. 357 p. (MIRA 15:11)  
(SUPPURATION) (SURGERY, OPERATIVE)

RUFANOV, I.G.; GOVOROVICH, Ye.A.; MARSHAK, A.M.; D'YACHENKO, G.M.;  
SYSOYEVA, L.A.

Clinical use of the combined antibiotic sigmamycin (tetracycline and  
cleandomycin). Vest.AMN SSSR 17 no.3:3-6 '62. (MIRA 15:4)

1. Laboratoriya po klinicheskoy aprobatsii novykh antibiotikov  
AMN SSSR.

(SIGMAMYCIN)

RUFANOV, I.G.; GOVOROVICH, Ye.A.; MARSHAK, A.M.; BYSOYEVVA, I.A.; LIYASHKEV, I.P.

Ristomycin, a new antibiotic for intravenous intramuscular injection  
on its clinical and physiological effect on patients with various  
infections. Antibiotiki 8 no. 7:836-839 3 '63.

1. Laboratoriya po klinicheskoy approbatsii novykh litsenii na AMN SSSR.

KAN, K.D., kand.tekhn.nauk; MAK, L I., inzh.; MARSHAK, A.M., kand.khim.nauk;  
YEVSEYEVA, L.S., inzh.

Investigating the refrigeration compressor operated with Freon-143.  
Khol.tekh. 40 no.3:5-9 My-Je '63. (MIRA 16:9)

1. TSentral'noye konstruktorskoye byuro kholodil'nogo mashinostroeniya (for Kan, Mak). 2. Gosudarstvennyy institut prikladnoy khimii (for Marshak, Yevtseyeva).  
(Refrigerants), (Refrigeration and refrigerating machinery)

MARSHAK, A.M.; EYDEL'SHTEYN, S.I.

Scientific life. Antibiotiki 9 no.5:464-475 May '64.

18 2,

MARSHAK, A.M., kand. med. nauk; SYSOYEVA, I.A., kand. med. nauk

Preventive use of antibiotics in surgery on the stomach.  
Khirurgija 40 no.2:19-24 F '64. (MIRA 17:7)

1. Laboratoriya po klinicheskoy aprebatssi novykh antibiotikov  
(nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof.  
I.G. Rusanov) Instituta khirurgii imeni A.V. Vishnevskogo,  
AMN SSSR, Moskva.

RUFANOV, I.G., prof.; MARSHAK, A.M., kand. med. nauk; SYSOYEVA, L.A.,  
kand. med. nauk

Use of levorin, an antifungal antibiotic, in the treatment  
and prevention of complicated candidiasis in surgical patients.  
Khirurgija 40 no.2:6-11 F '64. (MIRA 17:7)

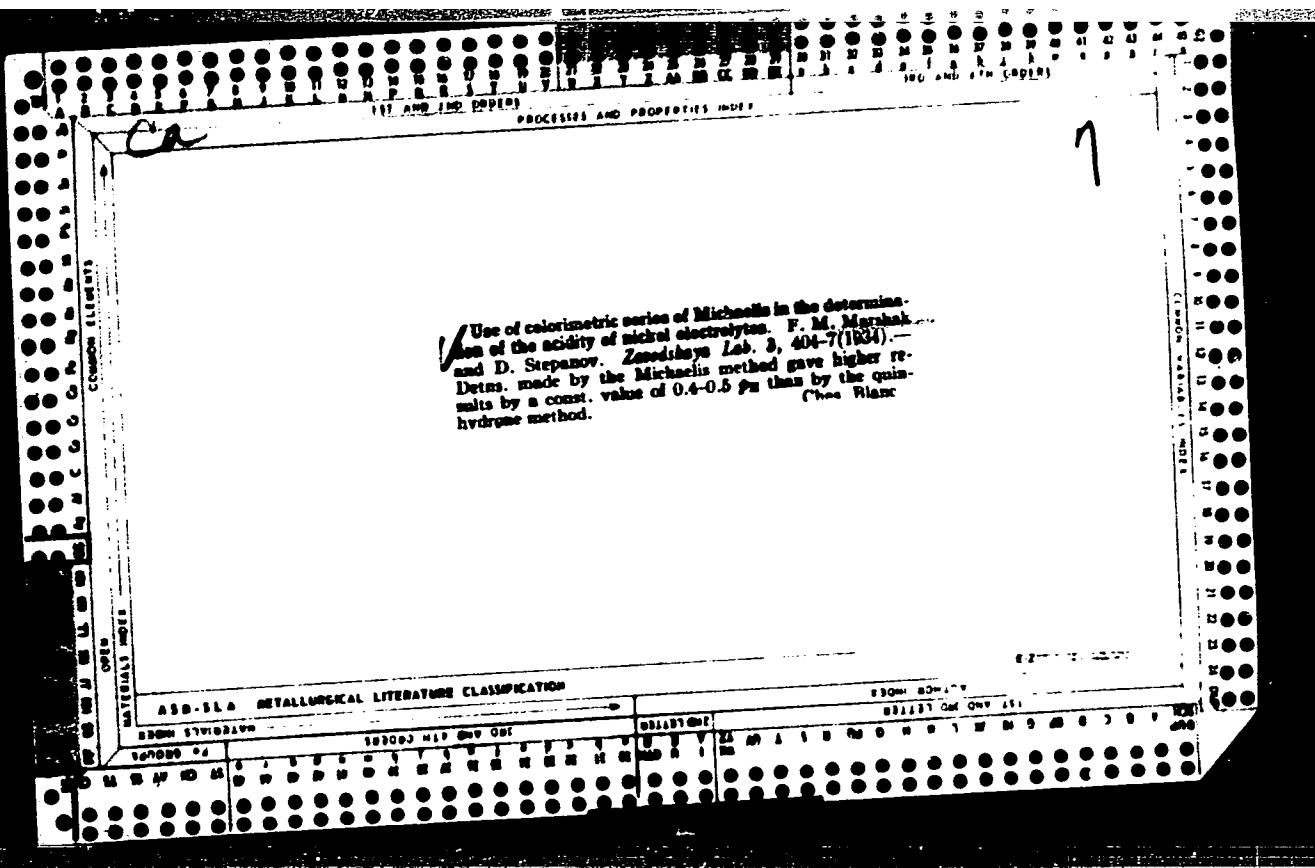
1. Laboratoriya po klinicheskoy aprobatsii novykh antibiotikov  
(nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof.  
I.G. Rufanov) Instituta khirurgii imeni A.V. Vishnevskogo  
AMN SSSR, Moskva.

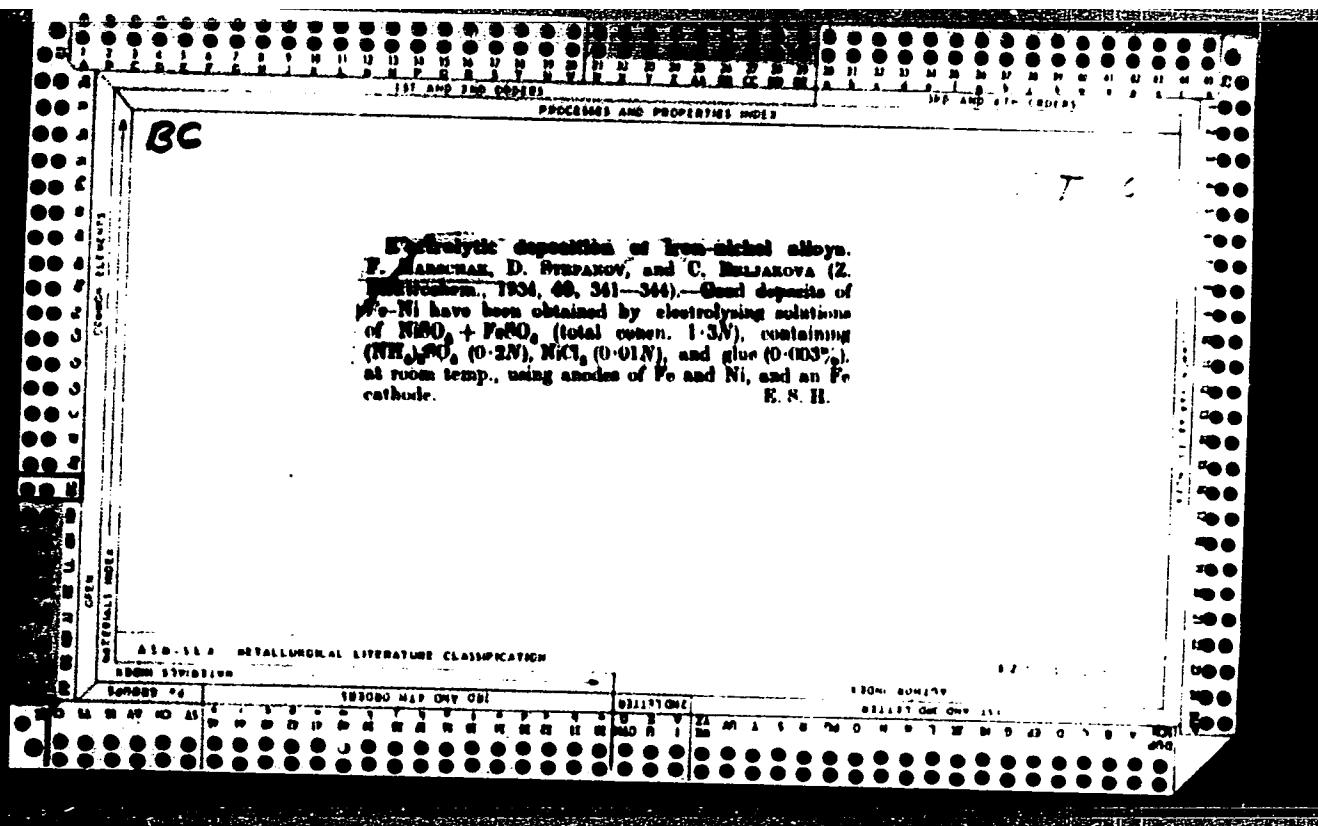
GOROVENKO, G. G.; BRUSILOVSKIY, B. M.; LOZOVOY, Ye. Kh.; MARSHAK, A. Yu.; MIKHEL'SON, B. V.; PILIPCHUK, N. S.; SLEPUKHA, I. M.; SOKOLIK, Yu. I.; TARAPON, Yu. G.; YATSOZHINSKIY, Yu. D.

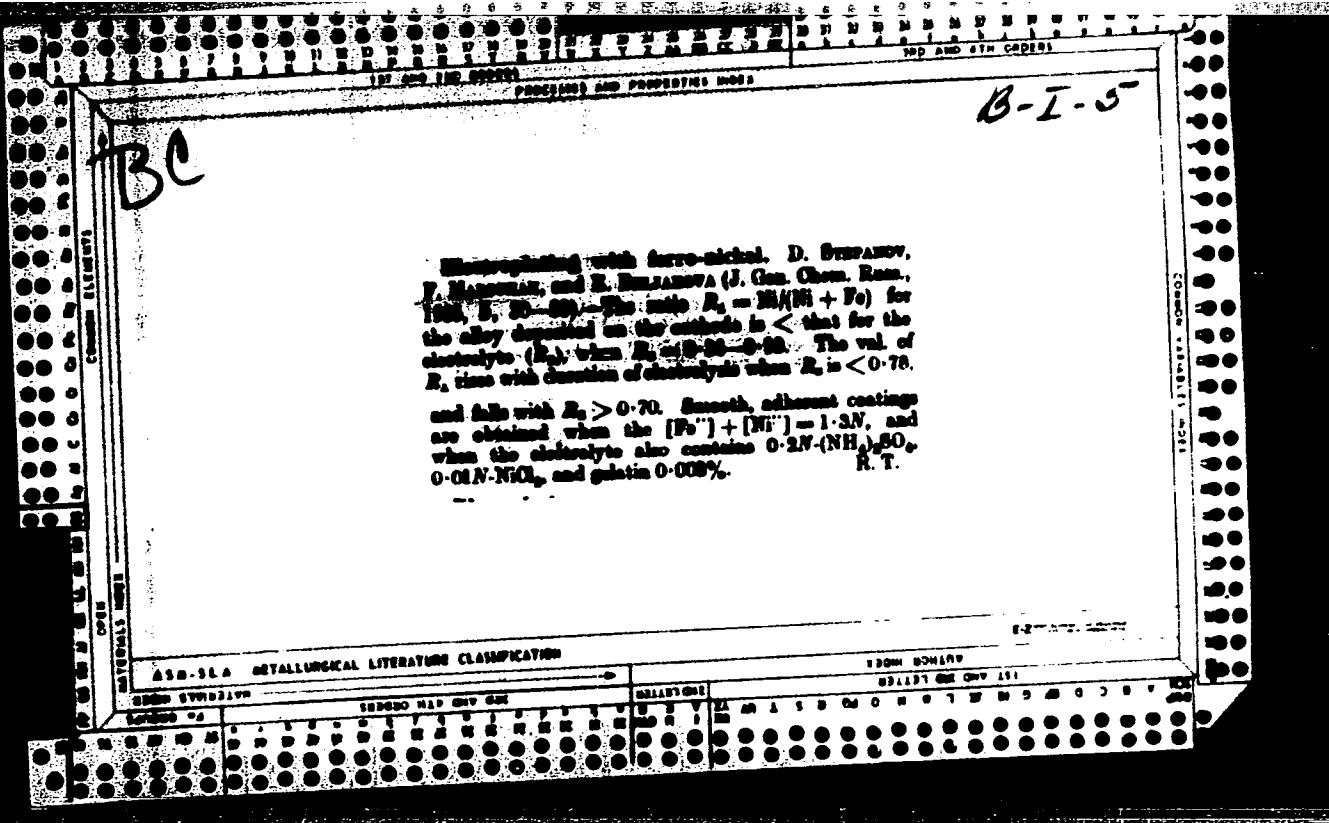
Results of the use of thoracoplasty and extrapleural pneumolysis  
in pulmonary tuberculosis. Probl. tub. no. 2:24-29 '62.  
(MIRA 15:2)

1. Iz 1-go khirurgicheskogo otdeleniya (zav. - st. nauchnyy sotrudnik G. G. Gorovenko) Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza imeni akad. F. G. Yanovskogo (dir. - dotsent A. S. Mamolat)

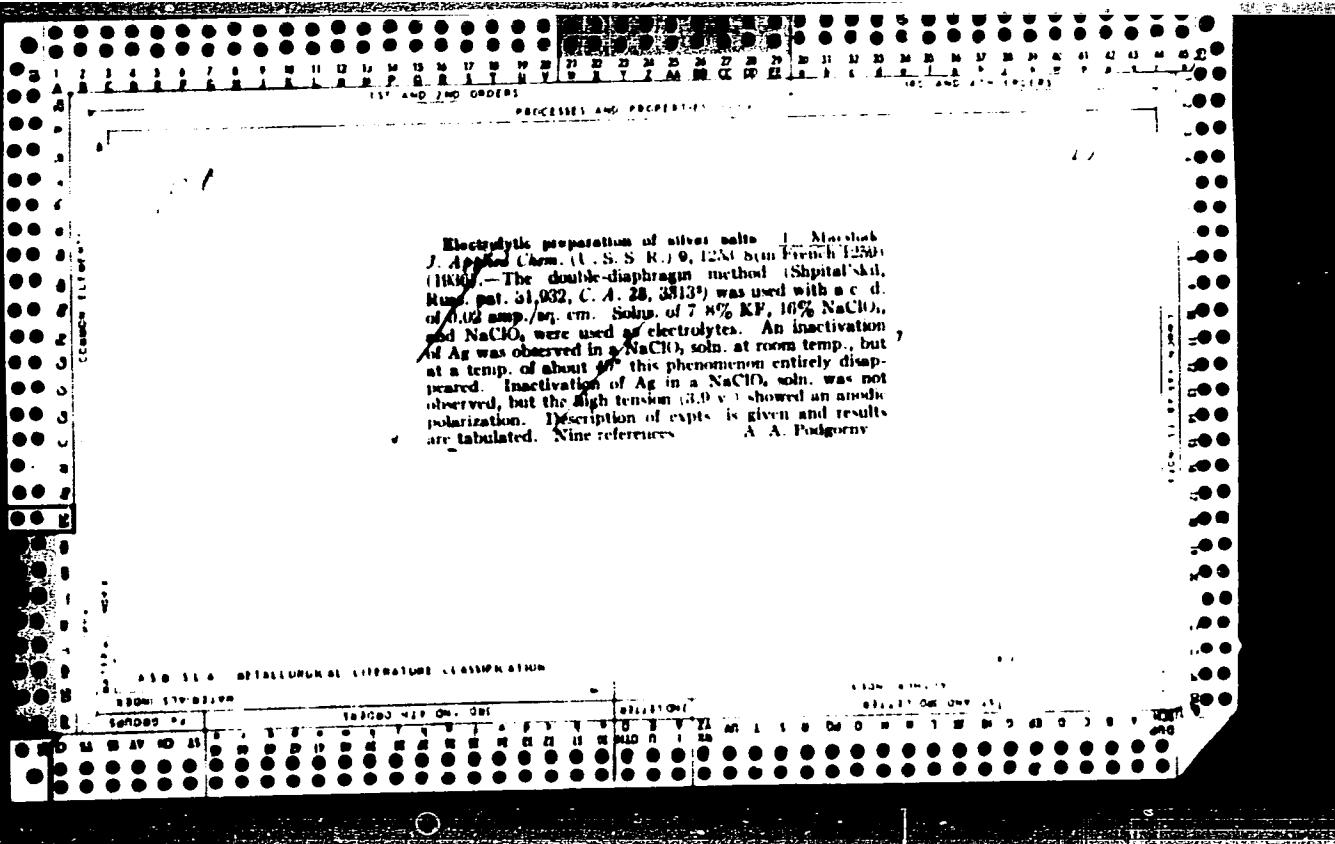
(TUBERCULOSIS)  
(LUNGS--COLLAPSE)  
(CHEST--SURGERY)

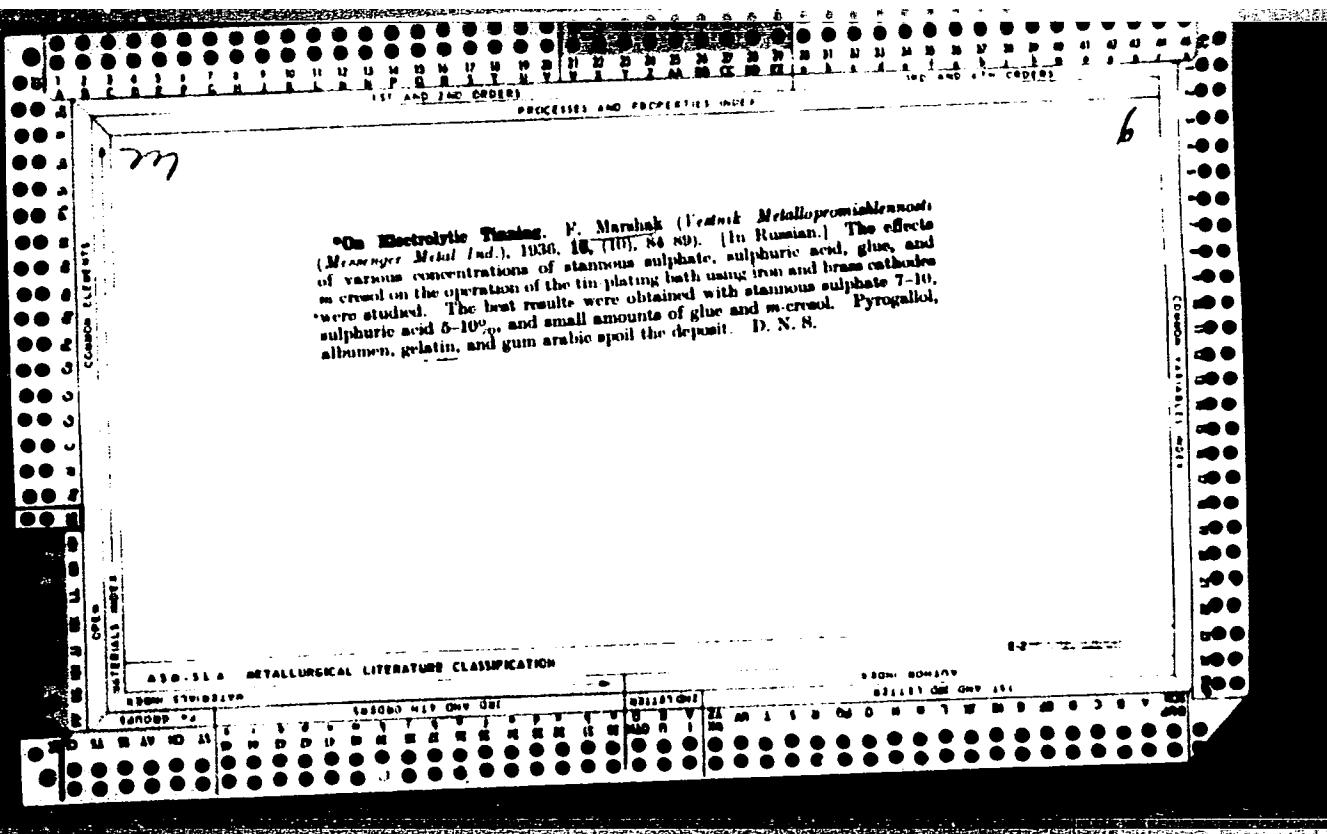






Oxidation of tin sulfite in solution by means of oxygen.  
D. Stepanov and F. Marinkin. *J. Gen. Chem. (U. S. S. R.)* 5, 280-93 (1935).—Oxidation of  $\text{SnSO}_3$  to  $\text{Sn}(\text{SO}_4)_2$  by means of  $\text{O}_2$  was carried out in 0.27-2.7 N  $\text{H}_2\text{SO}_4$  solns., at 25°. Oxidation in every case was incomplete and inversely proportional to concn. of  $\text{H}_2\text{SO}_4$ , while rate of oxidation was a const. Neutral sulfates, such as  $\text{Na}_2\text{SO}_4$  and  $\text{MgSO}_4$ , had no effect on oxidation. Of a number of antioxidants tested, the best results were obtained with morphine chloride, hydroquinone, naphthol, vanillin, pyrogallol,  $\text{PhOH}$  and creosol. S. L. M.





F  
2936. MEASUREMENT OF VISCOSITY BY THE BALL AND COUNTERPOISE  
METHOD. Marshak, F. M. (Zavodskaya Lab., 1946, 12, 324-7; Chem.  
Abstr., 1946, 40, 6896).

The viscometer consists of an ordinary laboratory balance with a sensitivity of 0.01-0.02 g. The accuracy is increased by lengthening the pointer 2.5 times and lowering the scale correspondingly. A steel ball with a screwed-in steel core is suspended from the beam by means of a chain, which insures a vertical position of the ball. The diameter of the cylinder with the sample solution is 28 mm. and that of the ball 15.97 mm. The results of measurement do not depend on the weight of the ball, or on the height, provided the velocity does not exceed the limiting values for the given instrument. The Stokes-Ladenburg-Meisslein equation can be applied only when a large correction coefficient (4.75) is used. The deviations of results were  $\pm 5\%$  when the simplified equation  $Kp/v$  ( $P$  is the weight in g.,  $v$  the velocity in cm./sec. and  $K$  the constant) was used. Reproducible results were obtained if the  $\eta$  was no less than 6-7 poises.

Instit. Non-Ferrous Metals Gold im Klinen

*BT-1. P. I. O.**But also*

Fractionation of fine polydisperse powders by an air stream.  
P. M. Marchuk, *Zh. pol. f.*, USSR, 1949, 11, 30-33).—For fractionation of dispersed systems by means of an air stream, air is drawn successively through alkali, acid, a column of cotton wool, and a rheometer for measuring the velocity which is controlled by a screw clip. The air is then led into the container with the powder, from which the finest particles are carried into a separating tube; some fall out while the finest particles are trapped in methanol in a Dreschel bottle. Using the formula  $s/Rv > 0.25$ , where  $s$  is initial length of separating tube,  $r$  is radius of the tube, and  $R$  is Reynolds's no., dimensions of the apparatus are calculated to ensure a laminar air flow, and, by adjustment of the velocity, fractions containing particles of a required size can be obtained. The upper limit of the finer fractions can be extended to  $\sim 0.9 \mu$  for quartz and to  $\sim 0.7 \mu$  for goethite etc., according to the sp. gr.

W. Hogaña.

*Lab of Weathering Processes, Geol. Inst,  
AS USSR*

*Approved 7/14/90  
Testing 8/19/90*

*BC 8*

**1968. Sedimentation analysis of finely dispersed diluted suspensions.** E. M. MARSHALL (Zavod. Lab., 19, 364, 1949). Some defects in the sedimentation balance proposed by N. A. Figurovsky in 1939 are pointed out and improvements are suggested. The balance arm should be made of quartz instead of glass, since with a glass arm the deformation is not always proportional to the load - the balance arm becomes inaccurate and ceases to obey Hooke's law. A new formula is proposed for determining the limiting point of the sedimentation curve for dilute suspensions. Figurovsky's formula is stated to be inapplicable in practice. With these corrections the balance is recommended for finely dispersed dilute suspensions (1 kg).

0 4

The pH of mineral suspensions. I. Marshak. Acid Sci., U.S.S.R.), Kolloid. Zhar. 12, 47-51(1939)—finely ground mineral (particle size less than 40 μ) was made into a paste with H<sub>2</sub>O of pH 6.0-2, and the pH of the paste was detd. with a glass electrode; then H<sub>2</sub>O was gradually added and the variation of pH with diln observed. There was no variation for aragonite, pink calcite, magnesite, gypsum, hydrohematite, opal, tremolite, tubelite, serpentine, scapolite, beryl, nepheline, tourmaline, allanite, cassiterite, diopside, wollastonite, enstatite, tholeiite, grossularite, zircon, schenelite, perovskite, biotite, natrolite, analcime, and hornblende decreased when diln increased. The pH of a Mn clay, ferrihalloysite, pyrolysite, goethite, and montmorillonite increased with diln. The pH of kaolinite and nontronite suspensions was poorly reproducible. Some other minerals were studied with inconclusive results. The pH varies with diln, when the minerals are hydrolyzed by H<sub>2</sub>O, and the direction of the change is detd. by whether the base or the acid in the mineral is stronger. The "suspension effect" of Wagner (A. J. 24, 3114) does not exist. —I. I. Riketman

Prevention of polarization of electrodes of batteries with  
manganese air depolarizers. B. M. Vasil'ev and S. S.  
Korobeyev. U.S.S.R. 102,474, Apr. 30, 1980. To retard  
polarization of the neg. electrode induced by the NH<sub>4</sub> given  
off by the electrode mass. NH<sub>4</sub> adsorbers, e.g. bentonite,  
are incorporated.

M. Hirsh

3  
4E32  
4E41

Electrolytic paste for galvanic cells, P. M. Marash, E. N.  
D. Brzharova, and S. B. Koernava, U.S.S.R. 103,058,  
June 29, 1956. An adsorbent capable of ion exchange, e.g.  
bentonite, apatite, or tripoli, is used as the thickener for the  
paste.

M. Hesch

MARSHAK, I. M.

Technol [unclear]

Centralized control of temperature in rooms of the cold storage plant, Moscow,  
Pishcheprompredpriyat, 1951.

Monthly List of Russian Acquisitions, Library of Congress, December 1962.

MARSHAK, I.M., kand.tekhn.nauk; SURZHIN, S.N., kand.tekhn.nauk; MIZIKIN, S.N.,  
starshiy inzh.

Investigating the work conditions of stoves for hot smoking of fish.  
Trudy VNIRO 39:106-132 '59. (MIRA 14:6)  
(Fish, Smoked) (Smokehouses)

MARSHAK, I.M., kand.tekhn.nauk; PEREPLETCHIK, R.R., kand.tekhn.nauk

Extraction of oil from the cod liver by the use of ultrasonic  
generators. Trudy VNIRO 39:185-196 '59. (MIRA 14:6)  
(Cod-liver oil) (Ultrasonic waves—Industrial applications)

Marshak, I. S.

✓ 11278 AEC-tr-2591  
HIGH-CURRENT STAGE OF AN ELECTRIC SPARK IN A  
GAS AT ATMOSPHERIC PRESSURE. (PART) I. I. S.  
Marshak. Translated from Zhur. Eksppl. i Teoret. Fiz.  
16, 703-16(1948). 18p.

Available experimental work on the stages of spark gap  
breakdown was reviewed, and the results were summarized.  
A theoretical framework for the late stages of breakdown  
was developed. (D.E.B.)

Rly<sup>3</sup>

Skl



MARSHAK, I.S.

Category USSR/Optics - Photometry Colorimetry, and Illumination Engineering K-10

Aba Jour Ref Zhur - Fizika, № 2, 1957, No 5334

Author Marshak, I.S.  
Inst. Moscow Electric Bulb Plant, USSR  
Title Electric Pulse Light Sources

VIA P. Svetotekhnika, 1956, № 1, 17-21

Abstract Survey article. The fundamentals of the theory are given and many types of lamps with a capacitor spark discharge occurring in a sealed glass or quartz bulb filled with air gases are described.

The circuit diagram and a description of equipment for obtaining flash illumination for photography with miniature cameras are given, as well as the basic characteristics of this apparatus EV-1), in which a pulse lamp of the IS-50 type, an 800 microfarad electrolytic capacitor (300 v ), and a type GB-300 dry cell are used.

Card 1, 1

MARSHAK, I.S., kandidat tekhnicheskikh nauk.

Efficiency of electrical discharge flashtubes. Svetotekhnika  
3 no.1:1?--20 Ja '57. (MLRA 10:2)

1. Moskovskiy elektroimpovyy zavod.  
(Electric lamps--Testing)

MARSHAK, I.S. kandidat tekhnicheskikh nauk

~~Electrical characteristics of fluorescent fleshtubes.~~ Svetotekhnika  
3 no.6:22-25 Je '57. (MIRA 10:?)

1. Moskovskiy elektrolampovyy zavod.  
(Fluorescent lamps)

MARSHAK, I.S.

AUTHOR: Marshak, I.S.

12C-5-1/35

TITLE: Soviet-made Pulse Lamps (Otechestvennye impul'snye lampy)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.5,  
pp. 3 - 11 (USSR)

**ABSTRACT:** The various types of Soviet pulsed light sources are denoted by a group of three letters followed by numerals. The first letter, an И, indicates "pulse"; the second letter, an Ф or С, indicates "photographic" or "stroboscopic", respectively. (Photographic lamps are those giving a flash lasting longer than 1 sec.; stroboscopic, those which flash at a rate higher than 1 per sec.). The third letter may be К, П or Б for a photographic lamp; and Т or Ш for a stroboscopic one. Photo-lamps are characterised by the form of the light-beam: type ИФК has a compact source for operation at the focus of a reflector; ИФП has a long straight discharge tube for use in cylindrical optical systems; ИФБ is ring-shaped. Strobo-lamps are distinguished by bulb-shape: ИСТ is tubular; ИСШ is spherical. The numeral indicates the total nominal flash energy for a photo-lamp and the mean electrical power for a strobo-lamp. Table 1 lists the 12 currently available types and the following data: flash energy; working voltage; supply Card 1/2 capacitance; mean power; shape and dimensions of luminous

Card 1/2

Soviet-made Pulse Lamps.

120-5-1/35

portion; lamp resistance; firing voltage; breakdown voltage; lower limit of light energy; design-centre flash-duration measured to 35% of maximum intensity; load factor; nominal life. The table is now considered in some detail under three headings: small and medium glass lamps, high-power quartz lamps. Fig. 6 shows a circuit for feeding an NCT10 so that the condenser voltage falls to zero for a definite time between pulses. Fig. 7 compares the output intensities for this lamp and the Mullard type LSD-8 over the range 10 - 1 000 c.p.s. Fig. 8 is a circuit for operating an NPK2000 from the mains without a condenser. Mentioned as collaborating in the work are V.I. Vasil'yev, A.I. Mironova, v.P. Ivanov and R.G. Vdovchenko. There are 8 figures, 2 tables and 14 references, 2 of which are Slavic.

SUBMITTED: June 17, 1957.

AVAILABLE: Library of Congress

Card 2/2

MARSHAK, I.

Impulse lamps for photography. Sov.foto 17 no.1:30-32 Ja '57.  
(MIMA 10:7)  
(Photography, Flash-light--Apparatus and supplies)

MARSHAK, I. S., Moscow.

"Elektronen-Blitzröhren,"

papers presented at 4th Intl. Congress on High Speed Photography, Cologne,  
22-27 Sept '58.

**Moscow Electric Bulb Factory**

PHASE I BOOK EXPLOITATION SOV/3610

Moscow. Gosudarstvennyy soyuznyy zavod. Byuro tekhnicheskoy informatsii  
Sbornik materialov po vakuumnoy tekhnike, vyp. XIV (Collection of  
Articles on Vacuum Engineering, No. 14) Moscow, Gosenergoizdat,  
1958. 103 p. 500 copies printed.

Eds.: R.A. Nilender, Chief Engineer of the Plant (General Ed.);  
A.G. Aleksandrov, V.D. Vladimirov; Ed. I.L. Iglitsyn; Tech. Ed.:  
K.P. Voronin.

**PURPOSE:** This collection of articles is intended for specialists  
in vacuum technology and electronics.

**COVERAGE:** The collection contains five papers on electron tubes  
written by the engineering personnel of the Gosudarstvennyy  
soyuznyy zavod (State Union Plant). No personalities are mentioned.  
References accompany all but one of the articles.

TABLE OF CONTENTS:

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Collection of Articles (Cont.)

SOV/3610

Lipkovskiy, L.M. Sensitive Method of Measuring Ion Currents in Electron Tubes With a Grid

3

In order to determine the pressure of grid gas in unsoldered electron tubes, a method based on the measurement of positive ion current is applied. The method used by the author consists in finding the tube's "vacuum factor", which is determined by the relation between the value of the full ion current flowing across the ion-collecting electrode and the full value of the excitation electron current flowing across the electron-collecting electrode. This factor also depends on the selection of the electrodes, their geometry, and the difference in potential between the point in space at which the positive ion is produced and the potential of the cathode. In order to eliminate the influence of leakage current on the results of measurements, the plant laboratory applied the alternating-current method. As a result of investigations, the methods of measuring ion currents introduced by E.W. Herold were improved by making them more precise.

Card 2/5

Collection of Articles (Cont.)

SOV/3610

Vasil'yev, V.I., and I.S. Marshak. Load Limit of Tubular Flash-tubes

19

The first part of the paper is a study of the critical load associated with the destruction of the glass shell in flashtubes with low discharge frequency. The critical load was found to depend mostly on the value of  $C.l$ , where  $C$  is the capacitance of the supply capacitor and  $l$  is the distance between the flash-tube electrodes. The type of glass and the kind and pressure of gas in the tube have less effect on the critical load. In addition, each type of glass flashtube may be characterized by the maximum permissible value of  $C.U^4$  (where  $U$  is the value of supply voltage), which the authors call the "load factor". The second part of the paper deals with quartz flashtubes in which the critical load depends on several factors, the most important of which is the breakdown of input leads, which are usually made of thin molybdenum foil strips. Other causes of breakdown are cracking of the quartz tube or its explosion, and disturbances in flashtube controllability.

Parusnikov, V.N., V.S. Nikolayeva, and M.I. Sokolova. Production of  
Card 3/5

Collection of Articles (Cont.)

SOV/3610

Tungsten Wire 5 to 8 Microns in Diameter by the Electrolytic Etching Method

51

This paper deals with the work done at the refractory metals section of the plant in obtaining very thin tungsten wires by electrochemical etching. This metal fiber is needed for production of grids in a new type of receiving tube, for development of precision optomechanical instruments, and for other purposes. The first samples and experimental lots of this wire were produced in 1949 and 1950. These first samples were 8 microns in diameter. Later, with improved equipment, 5 micron fiber was obtained in regular factory production lots. According to non-Soviet data, wire 3 microns in diameter has been produced under laboratory conditions in the United States. A description of the etching process, the equipment used, and some characteristics of the wire, are given.

Disman, A.M. Equipment for Measuring Conversion Transconductance 68  
The author describes equipment developed by himself and B.I. Genkin for measuring conversion transconductance in 1A1P and 1A2P type tubes. The general testing capacity of the equipment

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Collection of Articles (Cont.)

SOV/3610

is 300 to 350 tubes per hour.

Arkin, G.I. New Methods of Raising the Signal-to-Noise Ratio of Noise Generated by Microphonic Effects in Vacuum Tubes.

In 1955, at a meeting of the VNORE imeni Popov, the author presented a report on generalized methods which he had developed for the analysis of processes occurring in vacuum-tube circuits operating under conditions of mechanical influences. The present work is based on these methods and attempts to study several problems connected with the design and calculation of low-frequency amplifiers and some wide-band amplifiers subject to mechanical vibrations giving rise to microphonic effects. In his conclusions the author suggests several methods of reducing microphonics by structural and technological improvements and by proper selection of tube types.

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Card 5/5

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CIA-RDP86-00513R001032530004-3

*PHOTOGRAPHY*

**MARSHAK, I.**

*Flash tubes. Radio no.1:53-55 Ja '58.  
(Photography, Flashlight)*

*(MIRA 11:1)*

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032530004-3"

VASIL'YEV, V.I.; MARSHAK, I.S.

Load limits of pulse tubes. Sbor. mat. po vaku. v. 1. 1951.

### (Electron tubes)

MARSHAK, I.S., kand.tekhn.nauk; FEDOROV, N.G., inzh.

Idurnal sensitivity of the eye to impulsive-discharge sources of  
light. Svetotekhnika 4 no.4:16-19 Ap '58. (MIRA 11:4)  
(Eye) (Light)

MARSHAK, I.S., kand.tekhn.nauk; TSYPKIN, N.K., inzh.

Blinding effect of flash light sources. Svetotekhnika 4 no.6:21-22  
Je '58. (MIRA 11:6)  
(Light--Physiological effect)

MARSHAK, I.S., kand.tekhn.nauk; FEYGENBAUM, M.G., inzh.

Comparative efficiency of flashing and permanent signal lights  
observed through fog. Svetotekhnika 5 no.3:17-22 Mr '59.  
(MIRA 12:3)  
(Signals and signaling)

MARSHAK, I.S.

Physical mechanism of the discharge in tubular pulse lamps and the  
load limit of these lamps. Usp.nauch.fot. 6:16-26 '59.

(MIRA 13:6)

(Photography--Lighting)  
(Electric discharge lighting)

MARSHAK, I.S.; VASIL'YEV, V.I.; MIRONOVA, A.I.; IVANOV, V.P.; VDOVCHENKO,  
R.G.

New pulse lamps. Usp.nauch.fot. 6:43-52 '59.  
(Electric discharge lighting) (MIRA 13:6)

MARSHAK, I.S., kand. tekhn. nauk

Internal absorption of radiation in flashtubes. Svetotekhnika  
5 no.6:17-19 Je '59. (MIRA 12:8)

1. Moskovskiy elektrolampovyy zavod.  
(Absorption of light--Measurement) (Electric discharge lighting)

MARSHAK, I. S.

SHCHUKIN, L. I.

New Data on Physical and Technical Parameters of Flash Tubes.

report submitted for: The 5th International High Speed Photography Congress,  
Washington, D. C. 16-22 Oct., 1960.